

Title (en)

DISPLAY CONTROL DEVICE, DISPLAY CONTROL SYSTEM, DISPLAY CONTROL METHOD, AND PROGRAM

Title (de)

ANZEIGESTEUERUNGSVORRICHTUNG, ANZEIGESTEUERUNGSSYSTEM, ANZEIGESTEUERUNGSVERFAHREN UND PROGRAMM

Title (fr)

DISPOSITIF DE COMMANDE D'AFFICHAGE, SYSTÈME DE COMMANDE D'AFFICHAGE, PROCÉDÉ DE COMMANDE D'AFFICHAGE ET PROGRAMME

Publication

**EP 3608179 A4 20200408 (EN)**

Application

**EP 18859419 A 20180402**

Priority

- JP 2017179372 A 20170919
- JP 2017179373 A 20170919
- JP 2018014143 W 20180402

Abstract (en)

[origin: EP3608179A1] A display control device (1) includes a video data obtaining unit (41) configured to obtain video data from multiple image capturing units which captures images of surrounding of a vehicle, an bird's-eye view image generating unit (44) configured to perform a viewpoint conversion process and a synthesizing process to the video data obtained by the video data obtaining unit (41) to generate an bird's-eye view image, a determining unit (43) configured to obtain information related to a parking operation of the vehicle within a parking operation range including a parking slot in which the vehicle is to be parked to determine that the parking operation within the parking operation range required time and effort, and a display controller (48) configured to, when the determining unit (43) determines that the parking operation within the parking operation range required time and effort, display the bird's-eye view image which is generated by the bird's-eye view image generating unit (44) in a display (31) at a time of exit of the vehicle from the parking slot by being driven forward.

IPC 8 full level

**B60R 99/00** (2009.01); **B60R 1/00** (2006.01); **G06K 9/00** (2006.01); **G08G 1/16** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP US)

**B60R 1/27** (2022.01 - EP US); **G06V 20/56** (2022.01 - EP); **G06V 20/58** (2022.01 - US); **G06V 20/586** (2022.01 - US); **G08G 1/16** (2013.01 - EP); **H04N 7/18** (2013.01 - EP); **H04N 7/181** (2013.01 - US); **B60R 2300/105** (2013.01 - US); **B60R 2300/301** (2013.01 - US); **B60R 2300/607** (2013.01 - EP US); **B60R 2300/70** (2013.01 - EP); **B60R 2300/806** (2013.01 - EP US)

Citation (search report)

- [X] US 2014036063 A1 20140206 - KIM SANG JUN [KR], et al
- [X] EP 3037302 A1 20160629 - TOYOTA MOTOR CO LTD [JP]
- [X] EP 2620330 A1 20130731 - AISIN SEIKI [JP]
- [A] JP 2012176747 A 20120913 - NISSAN MOTOR
- See references of WO 2019058614A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3608179 A1 20200212**; **EP 3608179 A4 20200408**; **EP 3608179 B1 20210310**; CN 109996706 A 20190709; CN 109996706 B 20210820; US 10872249 B2 20201222; US 2020042805 A1 20200206; WO 2019058614 A1 20190328

DOCDB simple family (application)

**EP 18859419 A 20180402**; CN 201880004621 A 20180402; JP 2018014143 W 20180402; US 201916596816 A 20191009